PUBLICATIONS LIST

TITLE:

AN INVESTIGATION OF INCIDENT FREQUENCY, DURATION AND LANES BLOCKAGE FOR DETERMINING TRAFFIC DELAY

ABSTRACT:

Traffic delay caused by incidents is closely related to three variables: incident frequency, incident duration, and the number of lanes blocked by an incident. Relatively, incident duration has been more extensively studied than incident frequency and the number of blocked lanes. In this study, we provided an investigation of the influencing factors for all of these three variables based on an incident data set that was collected in New York City. The information about the incidents derived from the identification can be used by incident management agencies in New York City for strategic policy decision making and daily incident management and traffic operartion. Rain is the only factor that significantly influenced incident frequency.

SOURCE(S):

Transportation Research Board 81st Annual Meeting, Search TRIS http://199.79.179.82/sundev/search.cfm

Keyword(s):

Rain, Incidents, Mobility, Safety